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Rejected

Allowed

| Application/Control No. | Applicant(s)/Patent under Reexamination |   |
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| 10/806,210              | YAGI ET AL.                             |   |
| Examiner                | Art Unit                                | • |

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| # 11 <b>88</b> 1   ( <b>8</b> 1) #1 |                  | Joy F | P. Pa | itel |
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|  |  |  |          | _            | _            |  |          |  |  |  | ١. |
| Cla  | aim  | L_   | _        | _            |              | Dat  | <u>e</u> | _  | _  | _  | Į  |
| _  | Original                                     | 10/11/05   |          |              | l            |  |          |  |  |  |    |
| Final  | gin  | Ę  |          |              |              |  | l        |  |  |  |    |
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|  | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9    | 7 7 7 7  | <u> </u> | <del> </del> | -            | ⊢  | <u> </u> | L  | <u> </u>   | <u> </u>   | 1  |
|  | 1  | V  | ⊢        | $\vdash$     | -            | ├  | ⊢        | ┡  | ⊢  |  | ┨  |
| -  | 3  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            | $\vdash$ | $\vdash$     | $\vdash$     | ⊢  | -        | ⊢  | -  | -  | -  |
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| $\vdash$   | 7  | <del> `</del>                                    | ├        | ╁            | ├            | ⊢  | ⊢        | ⊢  | -  | -  | 1  |
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| ⊨  | 10   | ⊢  | -        | ╁            | ┝            | -  | -        | $\vdash$   | $\vdash$   |  | 1  |
|  | 11   | $\vdash$   | $\vdash$ | $\vdash$     | ⊢            | $\vdash$   | $\vdash$ | ┝  | ⊢  | -  | l  |
| <del></del>                                      | 12   | $\vdash$   | $\vdash$ | ┢            | ╁            | $\vdash$   | -        | -  | -  | ╁─   | ł  |
|  | 11<br>12<br>13                               | <del>                                     </del> | ┢        |              |              |  | $\vdash$ | ┢  | ┢╾   | ┢  | l  |
|  | 14   | $\vdash$   | -        | ├-           | ├─           | $\vdash$   | $\vdash$ | -  | ┢╌   | $\vdash$   | 1  |
|  | 14<br>15<br>16<br>17                         | -  | _        | <del> </del> | $\vdash$     | $\vdash$   | $\vdash$ | -  | <del>                                     </del> | $\vdash$   |    |
| -  | 16   | -  |          | -            | _            | ┢  | $\vdash$ | ┢  | -  | _  | 1  |
|  | 17   | ╁  | -        | <del>-</del> | -            | ┢  | -        | 1-   | ┢  |  | 1  |
|  | 18   | _  | $\vdash$ | $\vdash$     | _            | -  | $\vdash$ | $\vdash$   |  |  | 1  |
|  | 18<br>19<br>20<br>21                         | <b>-</b>   | -        |              | ┢            | <del>                                     </del> | $\vdash$ |  | $\vdash$   | $\vdash$   | 1  |
|  | 20   | $\vdash$   |          |              | $\vdash$     | _  | 1        | _  | $\vdash$   | _  | 1  |
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|  | 22   |  |          |              |              |  |          | <del>                                     </del> | $\vdash$   | $\vdash$   | 1  |
|  | 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | Г  | _        |              |              |  |          | _  |  |  | 1  |
|  | 24   |  |          |              |              |  |          | Г  | Г  |  | l  |
|  | 25   |  |          |              |              |  |          |  |  |  |    |
|  | 26   |  |          |              |              |  |          |  |  |  |    |
|  | 27   |  |          |              |              |  |          |  |  |  |    |
|  | 28   |  |          |              |              |  |          |  |  |  | 1  |
|  | 29   |  |          |              |              |  |          |  |  |  |    |
|  | 30<br>31<br>32<br>33                         |  |          |              |              |  |          |  |  |  |    |
|  | 31   |  |          |              |              |  |          |  |  |  |    |
|  | 32   | L  | _        |              | L            | L_   |          |  |  |  |    |
|  | 33   | L_   |          |              | $oxed{oxed}$ | L  |          | _  | _  |  |    |
|  | 34   | <u> </u>   | _        | L            |              | <u> </u>   | L        | _  | <u> </u>   | _  |    |
|  | 35<br>36                                     | _  | _        | _            |              |  | L        | ļ  | <u> </u>   | _  |    |
| $\vdash$   | 36   |  |          | <u> </u>     |              | ļ  | L        | ļ  | ļ  | <u> </u>   |    |
| <b></b>  | 37   | L  | _        |              |              | <u> </u>   | _        | <u> </u>   | <u> </u>   | <u> </u>   |    |
| <u> </u>   | 38   |  | ļ.,      |              | _            | _  | _        | <u> </u>   | _  | -  |    |
|  | 39   | _  |          | _            | _            | _  |          |  | <u> </u>   | <u> </u>   |    |
| <u> </u>   | 40   | $\vdash$   | _        | -            | _            | ⊢  | _        | -  | -  | <u> </u>   |    |
|  | 41   | $\vdash$   |          | H            | _            | _  | _        | H  | <u> </u>   | <u> </u>   | l  |
|  | 42   |  |          | _            | ⊢            | -  | _        | -  | -  | -  |    |
|  | 43<br>44                                     | Н  | H        | <del> </del> |              | $\vdash$   | <u> </u> | -  |  | $\vdash$   |    |
| $\vdash$   | 44   | H  |          | -            | -            | $\vdash$   | $\vdash$ | <del> </del>                                     | -  | $\vdash$   |    |
| $\vdash \vdash$                                  | 45   |  | $\vdash$ | -            | -            | $\vdash$   | Н        | _  | -  | $\vdash$   |    |
| <del>                                     </del> | 47   |  |          | $\vdash$     | _            | $\vdash$   |          | _  |  | -  |    |
| $\vdash\vdash\vdash$                             | 48   | $\vdash\vdash$                                   | _        | $\vdash$     | $\vdash$     | $\vdash$   | -        | <del> </del>                                     | -  | $\vdash$   |    |
| $\vdash \vdash$                                  | 49   | $\vdash$   |          | $\vdash$     | H            | $\vdash$   |          | -  | $\vdash$   | $\vdash$   |    |
| $\vdash\vdash\vdash$                             | 50   | Н  |          | -            | $\vdash$     | -  | $\vdash$ | -  | -  | ├  |    |

|        |          | _        |                |             |              |          | •            |          |          | •        |     |          |          |              | _        |                                     |   |          |              | _        |        |          |
|--------|----------|----------|----------------|-------------|--------------|----------|--------------|----------|----------|----------|-----|----------|----------|--------------|----------|-------------------------------------|---|----------|--------------|----------|--------|----------|
| Cla    | im       |          |                |             |              | Dat      | <u>—</u>     |          |          |          | ) [ | Cla      | im       |              |          |                                     |   | Date     |              |          |        |          |
|        |          |          |                |             | Г            |          |              | П        | Г        |          | 1 1 |          |          |              | Г        |                                     |   |          |              |          |        | Г        |
| ;      | na       | 10/11/05 |                |             |              |          |              |          |          |          | ΙI  | <u>=</u> | па       | `            |          |                                     |   |          | ļ            |          |        |          |
| :      | į        | Ξ        |                |             |              |          |              |          |          |          |     | Final    | įġ       |              |          |                                     |   |          | ŀ            |          |        |          |
| •      | Original | 유        |                |             |              | 1        |              |          |          |          |     | ш.       | Original |              |          |                                     |   |          |              | 1        |        |          |
| _      | 1        | 1        | -              | ├           | ├            | Ͱ        | -            | ┝        | ├-       | -        | 1 1 |          |          | _            | -        | -                                   | _ | <u> </u> | ┝            | $\vdash$ |        | Ι        |
| _      | 2        | 1        | ├              | -           | -            | ├        | <del> </del> | ⊢        | ⊬        | -        | 1 1 |          | 51<br>52 | _            | -        |                                     |   | _        | _            | H        | H      | $\vdash$ |
| -      | -        | 1        | ⊢              | $\vdash$    | -            | ├        | ⊢            | ⊢        | ⊢        | ├-       | 1 1 |          |          | $\vdash$     | ļ. —     | H                                   |   | _        | <del> </del> | <u> </u> | _      | ⊢        |
| _      | 3        | 1        | ⊢              | $\vdash$    | ⊢            | ⊢        | ├-           | ⊢        | ⊢        | -        | 1 1 |          | 53       | -            | _        |                                     |   | _        | H            | <u> </u> | _      | ⊢        |
| _      | 4        | 1        | ┡              | ├-          | ⊢            | ├        | -            | ⊢        | ▙        | ⊢        | 1 1 |          | 54       | <u> </u>     | ⊢        | <u> </u>                            | _ |          | -            |          | -      | <u> </u> |
|        | 5        |          |                | ├-          | ↓_           | ⊢        | <u> </u>     | ┡        | <u> </u> | <u> </u> | 1   |          | 55       | _            | ╙        | _                                   |   |          | _            | <u> </u> |        | <u> </u> |
|        | 6        | 1        | -              | ┞           | <del> </del> | ⊢        | <u> </u>     | ┞        | ــــ     | <u> </u> | 1 1 |          | 56       |              | ╙        |                                     |   | _        |              | <u> </u> |        | L.       |
| _      | 7        | ┡        | ├              | <b> -</b> - | ⊢            | ⊢        | <u> </u>     | <u> </u> | ⊢        | _        | 1 1 |          | 57       | _            | <u> </u> | Ш                                   |   |          | _            | L.       | _      | _        |
|        | 8        | <u> </u> | <del>  _</del> | <u> </u>    | ┡            | <u> </u> | <u> </u>     | <u> </u> | ▙        | 1        |     |          | 58       | _            | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |   |          | _            | L        |        | _        |
|        | 9        | <u> </u> | <u> </u>       | ├_          | ╙            | <u> </u> | <b> </b>     | L        | ╙        | _        |     |          | 59       |              | <u> </u> |                                     | _ |          | <u> </u>     | _        |        | _        |
| _      | 10       | <u> </u> | <u> </u>       | ┞           | ╙            | <u> </u> | <u> </u>     | _        | ┡        | _        |     |          | 60       |              | <u> </u> |                                     |   |          | _            |          |        | _        |
| _      | 11       | _        | _              | L           | L            | <u> </u> | <u> </u>     | _        | <u> </u> | _        | 1 1 |          | 61       | _            |          |                                     |   |          | Щ            |          |        | _        |
| _      | 12       | _        | _              |             |              |          |              | L        | L_       | <u> </u> |     |          | 62       | Щ            | L_       |                                     |   |          | <u> </u>     |          |        | _        |
|        | 13       | _        | <u> </u>       | <u> </u>    | L            | L        | L            | L        | <u> </u> | L        |     |          | 63       | Ш            | ļ        |                                     |   |          | <u> </u>     |          |        | L        |
|        | 14       |          | L              |             | ╙            | 匚        | _            |          | <u> </u> | L        |     |          | 64       | $oxed{oxed}$ |          |                                     |   |          | _            |          |        | L        |
|        | 15       |          | ļ              | _           | L            | 乚        | _            | 乚        |          | L        |     |          | 65       |              |          |                                     |   |          |              |          |        | <u>_</u> |
|        | 16       | L        | _              | L           | L            | _        | _            | L        | L        |          |     |          | 66       |              |          |                                     |   |          |              |          |        | L.       |
|        | 17       |          |                | L           | _            | L        | L            | L        | L        | L        | ] [ |          | 67       |              |          |                                     |   |          |              |          |        | _        |
|        | 18       |          |                | L           | L            |          | L            |          |          |          | 1 1 |          | 68       |              |          |                                     |   |          |              |          |        | _        |
|        | 19       |          |                |             |              | <u> </u> | L            |          |          |          | ] [ |          | 69       |              |          |                                     |   |          |              |          |        |          |
|        | 20       | L        |                |             |              |          | _            | _        | <u> </u> |          | Ιl  |          | 70       |              |          |                                     |   |          |              |          |        |          |
|        | 21       |          |                |             |              |          |              |          |          |          |     |          | 71       |              |          |                                     |   |          |              |          |        |          |
|        | 22       |          |                |             |              |          |              |          |          |          | ] [ |          | 72       |              |          |                                     |   |          |              |          |        |          |
|        | 23       |          |                |             |              |          |              |          |          |          |     |          | 73       |              |          |                                     |   |          |              |          |        |          |
|        | 24       |          |                |             |              |          |              |          |          |          |     |          | 74       |              |          |                                     |   |          |              |          |        |          |
|        | 25       | į        |                |             |              |          |              |          |          |          | ] [ |          | 75       |              |          |                                     |   |          |              |          |        |          |
|        | 26       |          |                |             |              |          |              |          |          |          |     |          | 76       |              |          |                                     |   |          |              |          |        |          |
|        | 27       |          |                |             |              |          |              |          |          |          | ] [ |          | 77       |              |          |                                     |   |          |              |          |        |          |
|        | 28       |          |                |             |              |          |              |          |          |          | ] [ |          | 78       |              |          |                                     |   |          |              |          |        |          |
|        | 29       |          |                |             |              |          |              |          |          |          | ] [ |          | 79       |              |          |                                     |   |          |              |          |        |          |
|        | 30       |          |                |             |              |          |              |          |          |          |     |          | 80       |              |          |                                     |   |          |              |          |        |          |
|        | 31       |          |                |             |              |          |              |          |          |          | ll  |          | 81       |              |          |                                     |   |          |              |          |        | Π        |
|        | 32       |          |                |             | П            |          |              |          |          |          | 1 [ |          | 82       |              |          |                                     |   |          |              |          |        |          |
|        | 33       |          |                |             |              |          |              |          |          |          |     |          | 83       |              |          |                                     |   |          |              |          |        |          |
|        | 34       |          |                |             |              |          |              |          |          |          | [   |          | 84       |              |          |                                     |   |          |              |          |        |          |
|        | 35       |          |                | L           | L            |          |              |          |          |          |     |          | 85       |              |          |                                     |   |          |              |          |        |          |
| _      | 36       |          |                |             |              |          |              |          |          |          |     |          | 86       |              |          |                                     |   |          |              |          |        |          |
|        | 37       |          |                |             |              |          |              |          |          |          |     |          | 87       | -            |          |                                     |   |          |              |          |        |          |
| ٦      | 38       |          |                |             | Г            | Г        |              |          |          | Г        |     |          | 88       |              |          |                                     |   |          |              |          |        |          |
| ٦      | 39       |          |                |             |              |          |              |          |          |          |     |          | 89       |              |          |                                     |   |          |              |          |        |          |
|        | 40       |          |                | П           | Π            | Γ        |              |          |          |          |     |          | 90       |              |          |                                     |   |          |              |          |        |          |
|        | 41       |          |                |             |              |          |              |          |          |          |     |          | 91       |              |          |                                     |   |          | П            |          |        |          |
| ╗      | 42       |          |                |             | Ĺ            |          |              |          |          |          | ן ו |          | 92       |              |          |                                     |   |          | П            |          | $\neg$ |          |
|        | 43       |          |                |             |              |          |              |          |          |          |     |          | 93       |              |          |                                     |   |          |              |          |        | $\Box$   |
| ╗      | 44       |          |                |             |              |          |              |          |          |          |     |          | 94       |              |          |                                     |   |          |              |          | $\neg$ |          |
|        | 45       |          |                |             |              |          |              |          | П        |          |     |          | 95       |              |          |                                     |   |          | П            |          |        |          |
| ╗      | 46       |          |                |             |              |          |              |          |          |          |     |          | 96       |              |          |                                     |   |          |              | $\Box$   | $\neg$ |          |
|        | 47       |          |                |             |              |          |              |          |          | Г        |     |          | 97       |              |          |                                     |   |          |              |          |        |          |
| $\neg$ | 48       |          |                |             |              |          |              |          |          |          |     |          | 98       |              |          |                                     |   |          | П            |          |        |          |
|        | 49       |          |                |             |              |          |              |          | П        |          |     |          | 99       |              |          |                                     |   |          | П            |          | $\neg$ | $\Box$   |
| ┪      | 50       | ٦        |                |             |              |          |              |          | П        | Г        |     |          | 100      |              |          |                                     |   |          | П            |          | $\neg$ |          |
|        |          |          |                |             |              | _        |              | _        |          | _        |     |          | ئت       |              | _        |                                     |   |          |              |          |        |          |

|          |  |      | <u> </u>                            |          |  |              |  |              | J        |          |  |  |
|----------|--|------|-------------------------------------|----------|--|--------------|--|--------------|----------|----------|--|--|
| Cl       | aim                                    | Date |                                     |          |  |              |  |              |          |          |  |  |
| <u>`</u> |  |      | Г                                   | Г        | _  | <u> </u>     | Ť  | Ι_           | Γ        | Н        |  |  |
| -a       | Original                               |      | l                                   | ı        |  |              |  |              |          |          |  |  |
| Final    | rigi                                   |      | l                                   | l        |  |              |  |              |          |          |  |  |
| _        | 0                                      |      |                                     | İ        |  |              |  |              |          |          |  |  |
|          | 101                                    |      | -                                   | T        | <del>                                     </del> |              |  | T            | $\vdash$ | Н        |  |  |
|          | 102<br>103<br>104<br>105               |      | $\vdash$                            |          | _  |              |  | T            |          | Н        |  |  |
|          | 103                                    | _    | $\vdash$                            |          |  | _            | <del>                                     </del> |              |          |          |  |  |
|          | 104                                    |      |                                     | Г        | Т  | Г            | Т  | T            |          |          |  |  |
|          | 105                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 106                                    |      |                                     |          |  | Г            |  |              |          |          |  |  |
|          | 107                                    |      |                                     | Г        |  | Г            | Г  | Г            | Г        |          |  |  |
|          | 108<br>109                             |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 109                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 110                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 111                                    |      | Ĺ                                   |          |  |              |  |              |          |          |  |  |
|          | 112                                    |      |                                     |          |  |              |  |              |          |          |  |  |
| <u> </u> | 113                                    |      | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L        | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u> | Ш        |  |  |
|          | 114                                    |      |                                     | L        | L  |              | _  |              |          | Ш        |  |  |
| <u> </u> | 113<br>114<br>115                      | _    | <u> </u>                            | <u> </u> | <u> </u>   | <u> </u>     | _  | <u> </u>     | <u> </u> | Щ        |  |  |
|          | 116                                    |      | L.                                  |          | ļ  |              |  |              |          | Ш        |  |  |
|          | 116<br>117<br>118                      |      |                                     | _        |  | _            |  |              |          | Щ        |  |  |
|          | 118                                    |      | ļ                                   | _        | _  |              |  |              | <u> </u> | Щ        |  |  |
| ļ        | 119<br>120                             |      | ļ                                   | _        | ļ  | ļ            |  |              |          | Щ        |  |  |
|          | 120                                    |      |                                     | <u> </u> | _  | _            | _  | _            |          | Ш        |  |  |
|          | 121                                    |      | <u> </u>                            | _        | ļ  | _            | ļ  |              | L.       | Щ        |  |  |
|          | 122                                    |      | <u> </u>                            | <u> </u> | ┡  | _            | <u> </u>   | <u> </u>     | <u> </u> | Щ        |  |  |
|          | 121<br>122<br>123<br>124<br>125<br>126 |      | -                                   | <u> </u> | -  | _            | <u> </u>   |              |          | Щ        |  |  |
|          | 124                                    |      | <u> </u>                            | -        | ├  |              | -  |              |          | Н        |  |  |
|          | 120                                    |      | ⊢                                   | ┝        | ┝  | ⊢            | ├─   |              | -        | Н        |  |  |
| <u> </u> | 127                                    |      | <del> </del>                        |          | -  | <u> </u>     | -  | -            | $\vdash$ | $\dashv$ |  |  |
|          | 127                                    | _    | $\vdash$                            | ├        | -  | $\vdash$     | ├  | ├            | ├        | $\dashv$ |  |  |
|          | 127<br>128<br>129<br>130               | -    |                                     | ┢        | ├  | ├-           | ┝  | ⊢            | $\vdash$ | $\dashv$ |  |  |
|          | 120                                    |      | $\vdash$                            |          | $\vdash$   | <del> </del> |  | $\vdash$     |          | $\dashv$ |  |  |
|          | 131                                    |      | <del> </del>                        | $\vdash$ | $\vdash$   | ┝            | -  | -            | $\vdash$ | $\dashv$ |  |  |
|          | 132                                    |      | $\vdash$                            |          | $\vdash$   | -            | $\vdash$   | <del> </del> |          | $\vdash$ |  |  |
|          | 132<br>133                             |      |                                     | _        |  | -            | _  | _            | Н        | $\dashv$ |  |  |
|          | 134 I                                  |      | _                                   |          |  |              |  | _            | Н        | $\vdash$ |  |  |
|          | 135                                    |      | Ι                                   | $\vdash$ | <u> </u>   |              | $\vdash$   | ┢            | Н        | $\vdash$ |  |  |
| $\vdash$ | 135<br>136<br>137                      | _    |                                     |          |  |              | _  | Г            |          | $\sqcap$ |  |  |
|          | 137                                    | _    |                                     |          |  |              | <b>-</b>   |              |          | $\Box$   |  |  |
|          | 138                                    |      |                                     |          |  |              |  | $\Box$       |          | П        |  |  |
|          | 138<br>139                             |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 140                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 141                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 142                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 143                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 144                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 145                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 146                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 147                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 148                                    |      |                                     |          |  |              |  |              |          |          |  |  |
|          | 149                                    |      | L                                   |          |  | $oxed{oxed}$ |  |              |          |          |  |  |
|          | 150                                    |      |                                     |          |  |              |  |              |          |          |  |  |